

Notice of Allowability

Application No.

10/066,545

Examiner

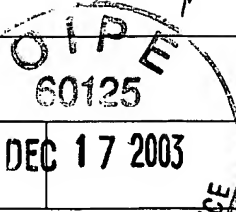
Thien M. Le

Applicant(s)

TSIKOS ET AL.

Art Unit

2876



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to ____.
2. ☒ The allowed claim(s) is/are 1-42.
3. ☒ The drawings filed on 03 June 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. ____.
 - (b) ☐ including changes required by the proposed drawing correction filed ____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1 ☒ Notice of References Cited (PTO-892)
- 3 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 5 ☒ Information Disclosure Statements (PTO-1449), Paper No. 6.
- 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

- 2 ☐ Notice of Informal Patent Application (PTO-152)
- 4 ☐ Interview Summary (PTO-413), Paper No. ____.
- 6 ☐ Examiner's Amendment/Comment
- 8 ☒ Examiner's Statement of Reasons for Allowance
- 9 ☐ Other

THOMAS J. PERKOWSKI ESQ., P.C.
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ATTORNEY CASE NO.

DETAILED ACTION

The preliminary amendment filed on 06/03/2002 and the information disclosure statement filed on 8/06/2002, have been entered.

As a preliminary matter, it is submitted that the preliminary amendment seeks to cancel the original set of claims 1-32, and adds a new set of claims 33-75; not claims 33-81 as submitted in the remark section of the preliminary amendment. Further, since a substitute specification has been filed, the newly submitted set of claims, claims 33-75, have been renumbered as claims 1-42 (herein referred to as claims 1-42).

Allowable Subject Matter

Claims 1-42 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: The prior art fails to disclose a planar laser illumination and imaging (PLIIM) based system comprising:

A system housing having first, second, and third light transmission apertures linearly aligned;

A linear image formation and detection module;

A pair of planar laser illumination arrays (PLIAs);

And having the function and characteristics as recited in claim 1.

The prior art also fails to disclose the limitations of claims 10, 18, 26, and 35.

Art Unit: 2876

Conclusion

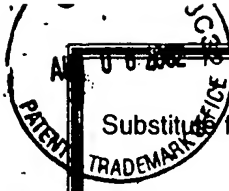
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien M. Le whose telephone number is (703) 305-3500. The examiner can normally be reached on Monday - Friday from 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (703) 305-3503. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-5841 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



**Le, Thien Minh
Primary Examiner
Art Unit 2876
December 16, 2002**



Substitute for form 1449A/PTO

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INFORMATION
DISCLOSURE STATEMENT
BY APPLICANT

Sheet

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of

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| | |
|------------------------|----------------------------------|
| Application Number | 10/066,545 |
| Filing Date | AUG 21 2002 February 14, 2002 |
| First Name Inventor | Constantine Tsikos et al. |
| Group Art Unit | 2876 |
| Examiner Name | n/a |
| Attorney Docket Number | 108-087USANGO |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | U.S. Patent Documents | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Intr'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
| | | Number | Kind Code (if known) | | | |
| U | | 6,230,975 B1 | | Colley et al. | 05/15/2001 | G06K 7/10 |
| | | 6,223,988 B1 | | Batterman et al. | 05/01/2001 | G06K 7/10 |
| | | 6,166,770 | | Yasuda | 12/26/2000 | H04N 5/232 |
| | | Re: 36,528 | | Roustaei | 01/25/2000 | G06K 7/10 |
| | | 5,988,506 | | Schabam et al. | 11/23/1999 | G06K 07/10 |
| | | 5,986,745 | | Hernary et al. | 11/16/1999 | G01B 11/24 |
| | | 5,786,582 | | Roustaei et al. | 07/28/1998 | G02B 26/08 |
| | | 5,710,417 | | Joseph et al. | 01/20/1998 | G06K 7/10 |
| | | 5,672,858 | | Li et al. | 09/30/1997 | G06K 7/10 |
| U | | 5,621,203 | | Swartz at al. | 05/15/1997 | G06K 7.10 |



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U.S. PATENT DOCUMENTS

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| Examiner Initials | Cite No. | U.S. Patent Documents | | Name of Patentee or Applicant of Cited Document | Publication of Cited Document MM-DD-YYYY | Intn'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|---|--------------------------|
| | | Number | Kind Code (if known) | | | |
| hjm | | 5,615,003 | | Hermery et al. | 03/25/1997 | G01B 11/24 |
| | | 5,532,467 | | Roustaei | 06/02/1996 | G06K 7/10 |
| | | 5,378,883 | | Batterman et al. | 01/03/1995 | G06K 7/10 |
| | | 5,319,185 | | Obata | 06/07/1994 | G06K 7/10 |
| | | 5,319,181 | | Shellhammer et al. | 06/07/1994 | G06K 7/10 |
| | | 5,296,690 | | Chandler et al. | 03/22/1994 | G06K/7 |
| | | 5,212,390 | | LeBeau et al. | 05/18/1993 | G01V 9/04 |
| | | 5,192,856 | | Schaham | 03/09/1993 | G06K 7/10 |
| | | 5,136,145 | | Karney | 08/04/1992 | G06K 13/00 |
| | | 4,979,815 | | Tsikos | 12/25/1990 | G01C 3/00 |
| | | 4,900,907 | | Matusima et al. | 02/13/1990 | |
| | | 4,826,299 | | Powell | 05/02/1989 | G02B 13/18 |
| hjm | | 4,687,325 | | Corby | 08/18/1987 | G01C 3/00 |



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PUBLICATIONS

AUG 21 2002

Description

TC 2800 MAIL ROOM

Examiner
Initials

Cite
No.

Product Brochure For Model 120 LIVAAR Short Wave IR Gated Camera Specification by Intevac Corporation, Santa Clara CA, 2001

Weblink to NEW LIVAR IMAGERY by Intevac Corporation, Santa Clara CA, 2001

Product Brochure for Lasiris SNF Laser by StockerYale Corporation, Salem NH, 2001

Product Brochure for AV3700 High Speed CCD Bar Code Reader by Accu-Sort Systems, Inc., Telford, PA 2001

Product Brochure for DALSA IT-PA Image Sensors by Dalsa, Inc., Waterloo, Ontario, CA, 2000.

Product Brochure for KAF-4202 SERIES by Eastman Kodak Company, Rochester NY, 2000.

User's Manual for Piranha CT-P4, CL-P4 Camera from Dalsa, Inc., Waterloo, Ontario, CA 2000.

Product Brochure for Sony ICX085AL 2/3-inch Progressive Scan CCD Image Sensor from Sony Corp., 2000.

Product Brochure for ML1XX6 Series Laser Diodes for Optical Information Systems by Mitsubishi Electric, 1999.



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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--|-------------------------|-------------------|----------------------------|--|--|-----------------------------|--------|
| Examiner Initials | | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Intn'l Class / Sub Class | T • |
| | | Office | Number | Kind Code (if known) | | | | |
| Wm | | PCT | WO 01/71419 A2 | | Hecht | 09/27/2001 | G03B | |
| I | | PCT | WO 01/72028 A1 | | Accu-Sort Systems, Inc.; | 09/27/2001 | H04N 1/028 | |
| I | | US | 60/190,273 | | Brobst | 05/29/2001 | | |
| Wm | | US | WO 99/64980 | | Symbol Technologies | 12/16/1999 | G06K 7/10 | |

EXAMINER

LE, TIEN

DATE CONSIDERED

12/10/2002

EXAMINER: Initial if reference considered, whether or not citation is in conformance with
MPEP 609; Draw line through citation if not in conformance not considered. Include
copy of this form with next communication to applicant.

(INFORMATION DISCLOSURE STATEMENT – SECTION 9 PTO-1449)

| | | | |
|-----------------------------------|---------------------------------------|---|-------------|
| Notice of References Cited | Application/Control No. 10/066,545 | Applicant(s)/Patent Under Reexamination TSIKOS ET AL. | |
| | Examiner Thien M. Le | Art Unit 2876 | Page 1 of 3 |

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|----------------------|----------------|
| * | A | US-6,427,917 | 08-2002 | Knowles et al. | 235/462.44 |
| * | B | US-6,422,467 | 07-2002 | Lucera et al. | 235/462.23 |
| * | C | US-6,411,199 | 06-2002 | Geiszler et al. | 340/10.1 |
| * | D | US-6,318,637 | 11-2001 | Stoner, Paul Douglas | 235/472.01 |
| * | E | US-6,296,187 | 10-2001 | Shearer, Frank W. | 235/462.41 |
| * | F | US-6,257,492 | 07-2001 | Bressler et al. | 235/462.43 |
| * | G | US-6,179,208 | 01-2001 | Feng, Chen | 235/472.01 |
| * | H | US-6,149,062 | 11-2000 | Danielson et al. | 235/472.01 |
| * | I | US-6,138,915 | 10-2000 | Danielson et al. | 235/472.02 |
| * | J | US-6,123,264 | 09-2000 | Li et al. | 235/472.01 |
| * | K | US-6,053,408 | 04-2000 | Stoner, Paul Douglas | 235/462.22 |
| * | L | US-6,003,773 | 12-1999 | Durbin et al. | 235/462.45 |
| * | M | US-5,992,751 | 11-1999 | Laser, Vadim | 235/472.01 |

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NON-PATENT DOCUMENTS

| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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| Notice of References Cited | Application/Control No. 10/066,545 | Applicant(s)/Patent Under Reexamination TSIKOS ET AL. | |
| | Examiner Thien M. Le | Art Unit 2876 | Page 2 of 3 |

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| * | A | US-5,969,321 | 10-1999 | Danielson et al. | 235/462.01 |
| * | B | US-5,965,863 | 10-1999 | Parker et al. | 235/462.25 |
| * | C | US-5,945,658 | 08-1999 | Salatto et al. | 235/462.22 |
| * | D | US-5,932,862 | 08-1999 | Hussey et al. | 235/462.07 |
| * | E | US-5,929,418 | 07-1999 | Ehrhart et al. | 235/462.27 |
| * | F | US-5,900,611 | 05-1999 | Hecht, Kurt | 235/454 |
| * | G | US-5,886,338 | 03-1999 | Arackellian et al. | 235/472.01 |
| * | H | US-5,841,121 | 11-1998 | Koenck, Steven E. | 235/472.01 |
| * | I | US-5,834,754 | 11-1998 | Feng et al. | 235/472.01 |
| * | J | US-5,834,749 | 11-1998 | Durbin, Dennis A. | 235/454 |
| * | K | US-5,825,006 | 10-1998 | Longacre et al. | 235/462.27 |
| * | L | US-5,736,725 | 04-1998 | Danielson, Arvin D. | 235/462.11 |
| * | M | US-5,684,290 | 11-1997 | Arackellian et al. | 235/462.42 |

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| | Examiner Thien M. Le | | Art Unit 2876 | Page 3 of 3 |

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| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|----------------------|----------------|
| * | A | US-5,591,955 | 01-1997 | Laser, Vadim | 235/462.06 |
| * | B | US-5,576,529 | 11-1996 | Koenck et al. | 235/462.47 |
| * | C | US-5,534,684 | 07-1996 | Danielson, Arvin D. | 235/472.02 |
| * | D | US-5,517,172 | 05-1996 | Chiu, Manfred F. | 340/310.01 |
| * | E | US-5,491,471 | 02-1996 | Stobbe, Anatoli | 340/5.61 |
| * | F | US-5,485,263 | 01-1996 | Bjorner et al. | 356/4.01 |
| * | G | US-5,483,051 | 01-1996 | Marchi, Paolo | 235/462.22 |
| * | H | US-5,166,676 | 11-1992 | Milheiser, Thomas A. | 340/10.34 |
| * | I | US-5,028,918 | 07-1991 | Giles et al. | 340/10.51 |
| * | J | US-4,227,807 | 10-1980 | Pond et al. | 356/139.03 |
| * | K | US-4,877,949 | 10-1989 | Danielson et al. | 235/462.21 |
| * | L | US-5,410,141 | 04-1995 | Koenck et al. | 235/472.02 |
| * | M | US- | | | |

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 12/17/2002

Thomas J. Perkowski, Esq., P.C.
Soundview Plaza
1266 East Main Street
Stamford, CT 06902

| | |
|----------------|----------------|
| EXAMINER | |
| LE, THIEN MINH | |
| ART UNIT | CLASS-SUBCLASS |
| 2876 | 235-472010 |

DATE MAILED: 12/17/2002

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|-----------------------|---------------------|------------------|
| 10/066,545 | 02/01/2002 | Constantine J. Tsikos | 108-087USANGO | 3892 |

TITLE OF INVENTION: PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS EMPLOYING LASER-DIODE BASED PLANAR LASER ILLUMINATION ARRAYS AND LINEAR ELECTRONIC IMAGE DETECTION ARRAYS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1280 | \$300 | \$1580 | 03/17/2003 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status.
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



UNITED STATES PATENT AND TRADEMARK OFFICE

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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|-----------------------|---------------------|------------------|
| 10/066,545 | 02/01/2002 | Constantine J. Tsikos | 108-087USANG0 | 3892 |
| EXAMINER | | | | |
| LE, THIEN MINH | | | | |
| ART UNIT | | | PAPER NUMBER | |
| 2876 | | | | |

Thomas J. Perkowski, Esq., P.C.
Soundview Plaza
1266 East Main Street
Stamford, CT 06902
UNITED STATES

DATE MAILED: 12/17/2002

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: <http://www.uspto.gov/main/howtofees.htm>.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Box ISSUE FEE
Commissioner for Patents
Washington, D.C. 20231
Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

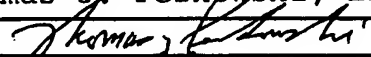
7590 12/17/2002

Thomas J. Perkowski, Esq., P.C.
 Soundview Plaza
 1266 East Main Street
 Stamford, CT 06902

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Thomas J. Perkowski, Esq. (Depositor's name)
 (Signature)
 March 17, 2003 (Date)

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|-----------------------|---------------------|------------------|
| 10/066,545 | 02/01/2002 | Constantine J. Tsikos | 108-087USANGO | 3892 |

TITLE OF INVENTION: PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS EMPLOYING LASER-DIODE BASED PLANAR LASER ILLUMINATION ARRAYS AND LINEAR ELECTRONIC IMAGE DETECTION ARRAYS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1280 | \$300 | \$1580 | 03/17/2003 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|----------------|----------|----------------|
| LE, THIEN MINH | 2876 | 235-472010 |

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(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Metrologic Instruments, Inc. Blackwood, NJ USA

Please check the appropriate assignee category or categories (will not be printed on the patent) ☐ individual ☒ corporation or other private group entity ☐ government

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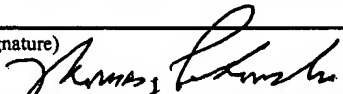
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 3/17/2003

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